

Name: _____

AP Chemistry Summer Assignment

I am excited that you have signed up to take Advanced Placement Chemistry! This AP class will include all the information presented in a Regents Chemistry class and a whole lot more. Therefore, it would be very helpful to revisit basic chemistry and review basic algebra skills before class starts in September. The easiest way to do this is virtually using videos. We will break the assignment into 16 short videos. During the videos you should take notes, pause, rewind, and review anything you need to. Throughout each video there will be 5 questions to see if you understand the concept. If at any time you aren't doing well and can't master the concept, you can contact me through email or remind, or send a comment through the video.

Throughout the summer I will review your effort on these assignments. The beauty of this assignment is that you can watch a video as many times as you need and at any time you wish. However, I recommend pacing yourself to make sure each topic is complete by its specific due date.

To prepare for this assignment you must sign up for EDpuzzle and complete some simple forms. First, read the syllabus with a parent and sign it. You should sign up for Remind to receive updates via text or email. I would like the signed syllabus completed along with all videos by the **first day of classes**. The first topic's videos will be posted at the end of June. If you lose any forms they can be found on my website carolnicosia.com under *AP Chemistry: Summer Assignment*. Email me with any questions at cnicosia@millerplace.k12.ny.us. Good luck!

- Mrs. Nicosia

Check List: Have you...

- Signed up for the new EDpuzzle AP Chemistry class
- Read and signed the syllabus with your parent
- Signed up for Remind

The Flipped Classroom: In class, students will be introduced to topics via labs and activities. Then, at home, students watch a short video lecture for homework while taking notes and completing practice examples based on the video and AP Exams. The next day in class, students will work together to review those concepts, evaluate their understanding, and address difficulties or common misconceptions. Students then move on to complete critical thinking questions, hands-on activities, labs, debates, discussions etc. in collaborative groups. This format allows more time in class for these hands-on activities which they can't do at home and additional time for difficult concepts that would be too hard to answer on their own, than a traditional classroom set up would. The class is student-centered since the teacher is a facilitator instead of a lecturer. But it puts a lot of responsibility on the student to remain engaged and work hard at home, much like a college course. As an educator, I want to ensure my students have the tools to make them college and career ready. With a flipped classroom, it allows students to begin to become more independent at home, while also giving me more time in class to work with them one on one. My instruction is more easily differentiated giving students more freedom to choose how they learn the material. In addition, students can access lectures and materials through my website at any time to review old concepts or make up work when they are absent. All handouts can be found on my website and/or google classroom.

Purpose: This class is designed to teach all the skills that a college student would learn in their first year of chemistry. It is a rigorous, math based class with a strong laboratory component. It is recommended that only students that are motivated and willing to commit a considerable amount of time to chemistry should take this class (**At least one hour of studying a night!**). Students *may* receive college credit dependent on the score on the AP exam and the college/major chosen.

Supplies: Pencils and blue or black pens, three ring binder with loose leaf paper for notes and handouts, (additional folders may be good too), scientific or graphing calculator (preferably graphing).

Grading Policies:

- **Quizzes and Tests:** (60%) Two cumulative exams will be administered every quarter. This is already twice the amount normal colleges have in a semester, which allows for wiggle room at our level. The tests will resemble the AP Exam with both multiple choice and short answer questions. Missed tests must be made up within five class days; otherwise the grade becomes a zero. There are no test corrections for points back, bonus points, or re-tests. These need to be authentic exams to represent pure knowledge of the content. Quizzes (10%) will be given multiple times a week and will review current subtopics. They may or may not be announced ahead of time. Often the quizzes are questions from the homework and worksheets done in class. Make sure to study consistently. Quizzes will not be made up if you are absent. Instead, the top 10 quizzes out of all the quizzes will be counted; so missing quizzes can be dropped.
- **Homework/Classwork and Participation:** (25%) Homework handouts are due **at the beginning of class** on the date listed on the schedule. Late handout homework will only be accepted due to absence on the day it is due (it must be submitted the next day). Video homework is due online by 12:00pm on the night listed on your schedule. Any other late or incomplete homework assignments and videos **cannot** be made up for credit. Homework will greatly affect performances on the exams. I encourage students to start assignments early and bring in questions after school, or email me/chat me with questions, before the assignment is due. In addition, class credit depends on any notebook checks, attendance, punctuality, and participation. Students will also lose points if they are caught eating or drinking (except bottled water), late without a pass, cutting class, or not participating.
- **Labs:** (15%) Every AP lab will include pre-lab, data, error analysis, and answers to the questions/calculations. Late labs will only be accepted if you are absent on the day it is due (it must be submitted the next day). If a lab is marked incomplete, rewrite and resubmit the lab within two days or the grade will remain a zero. Make up labs must be completed within one week of the original lab date. Failure to complete the make up by that week will result in a zero for the lab. Colleges may ask to see what lab work a student has completed during AP chemistry. Therefore, students are encouraged to save their lab reports when they are handed back. Finally, if a student is conducting unsafe lab practices they may be asked to sit out for the lab exercise and they will receive a zero for the assignment.

Electronics: Cellphones, iPods, tablets, and other electronic devices can aid in the instruction of students but unfortunately for the vast majority of students they become more of a distraction in class. Therefore, absolutely NO electronic devices other

than calculators can be used in my classroom. If a student needs to be reached, a phone call to the school can be made and connected to my classroom phone. Every minute spent on your phone in class is a piece of knowledge you have lost.

Review: I will be available every day until 2:10. An AP Chemistry review book is a great investment. Follow links on my website for the books I recommend. I also encourage you to form study groups to work on homework and extra questions together.

Website: I maintain a website in which lessons, worksheets, labs and other information is accessible. Please visit it at carolnicosia.com or on our google classroom in September. My email address is CNicosia@millerplace.k12.ny.us Please feel free to contact me with any questions or concerns. Also sign up for Remind by following links on my website.

STUDENTS and PARENTS: If you would like to be contacted with updates about my class or grades please provide your name and email address by emailing me at CNicosia@millerplace.k12.ny.us

I understand and will comply with the policies outlined above. I understand that if I am caught cheating in any way I will earn a zero for that assignment and a letter or phone call home will follow. Finally, I will fully commit to this class by putting in a conscious effort at all times.

Student Signature

Parent Signature

Date